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| JCP Series High Performance Commercial Pumps | ­­­­­ |
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Definition

Recirculation pump shall be Jandy JCP Series Pump model number      , close-coupled, back-pull out centrifugal pump,      -pha­se, 60hz.

Installation Notes

* Install pump in a dry, well-vented location away from heat sources, such as pool heaters, and the accumulation of debris, leaves, pine needles, and other combustible materials.
* Avoid locations close to any chemical storage.
* Allow 12-inches of minimum clearance behind the motor for servicing.
* Firmly mount the pump to a concrete floor or heavy base with the plumbing supported to prevent vibration and
excessive noise during operation.
* Ensure that wire size and input voltage are properly regulated to avoid motor overheating due to excessive amperage or severe voltage drop.

Pump Specifications

* Recirculation pump shall be: (select one)

[ ]  a self-priming, centrifugal design *with* an integrated hair and lint strainer, as shown on the plans

[ ]  a NON-self-priming centrifugal design *without* an integrated hair and lint strainer, as shown on the plans

* The pump shall be rated for       GPM at       TDH.
* The pump shall be tested and certified by a nationally recognized testing laboratory to conform to the latest revision of NSF/ANSI 50 and UL 1081.
* The pump shall be capable of operating at up to 50 psi and maintaining 104° F continuous water temperature, per latest NSF/ANSI-50 standards.
* Depending on the model, the motor shall be of TEFC (totally enclosed, fan-cooled) type, or ODP (open, drip-proof) type with sealed, permanently lubricated ball bearings. Motors shall be continuous duty rated at 40° C ambient and be suitable for outdoor installation.
* The pump motor shall be a      HP,      -phase, 60 Hz, 3450 to 3600 RPM for service on a       volt electric supply.
* The pump motor shall be provided with a copper equipotential bonding lug sized for a minimum of 6 AWG solid conductor copper wire.
* The pump body shall be constructed of non-corrosive 30% glass-filled thermoplastic resin compliant with the latest revision of NSF/ANSI-50 and close-coupled to an electric motor by means of an adaptor of the same material.
* The pump body shall have a single suction port with a 6-inch ANSI-150 bolt flange. The discharge port shall be a 4-inch, ANSI-150 bolt flange. The pump body shall have an integrated winterizing drain plug as part of the design.
* The pump shall be a back pull-out design to allow servicing without disturbing the plumbing. The pump shall have a 30% glass filled thermoplastic resin diffuser.
* The impeller shall be of the closed type and made from 30% glass filled thermoplastic resin, non-overloading at any point on the performance curve. The impeller shall be secured to the motor shaft by means of a stainless-steel key and locking screw into the end of the motor shaft.
* The mechanical shaft seal shall be constructed of ceramic and carbon seal faces, with 316 stainless steel spring and bellows area made of EPDM materials.
* The pump shall have a replaceable stainless-steel shaft sleeve to allow the use of readily available NEMA-rated replacement motors with JM frame, proper voltage, and duty ratings.

Hair and Lint Strainer Specifications (if included):

* The pump strainer body shall be constructed of non-corrosive 30% glass-filled thermoplastic resin compliant with the latest revision of NSF/ANSI-50. The pump shall have a radial-seal O-ring and locking lid design.
* The strainer body shall have 6-inch, ANSI-150 bolt flange inlet and outlet ports. The strainer body shall have an integrated winterizing drain plug as part of the design.
* The strainer basket shall be securely positioned below the suction inlet, with access for inspection and cleaning through a removable clear lid which shall be constructed of a polycarbonate resin and shall have a port that facilitates vacuum or pressure release.
* The strainer basket shall be perforated with a total open area of 96 square inches and be constructed of a mineral-reinforced polypropylene material to prevent basket floating.

Codes & Certifications

UL 1081

CSA C22.2#108

NSF-50 Listed